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21 [BizCQ: using continual queries to cope with changes in business information](#)



[exchange](#)

Wei Tang, Kipp Jones, Ling Liu, Calton Pu

May WWW Alt. '04: Proceedings of the 13th international World Wide Web
2004 conference on Alternate track papers & posters

Publisher: ACM

Full text available: [pdf\(197.65
KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 11, Citation Count: 0

In this poster, we propose the framework of BizCQ, a system to apply Continual Queries [7][8] on Web-based content to manage information exchanges between two business partners. In this poster, we describe ways to leverage previous research in Web monitoring ...

Keyw ords: B2B, business-to-business, change response, continual query, information quality, semantic web

22 Automatic detection of fragments in dynamically generated web pages

 Lakshmish Ramaswamy, Arun Iyengar, Ling Liu, Fred Douglass
May WWW '04: Proceedings of the 13th international conference on World Wide Web
2004 Web
Publisher: ACM


Full text available:  [pdf\(268.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 82, Citation Count: 12

Dividing web pages into fragments has been shown to provide significant benefits for both content generation and caching. In order for a web site to use fragment-based content generation, however, good methods are needed for dividing web pages into fragments. ...

Keywords: L-P fragments, dynamic content caching, fragment detection, fragment-based caching, shared fragments

23 How to make a semantic web browser

 D. A. Quan, R. Karger
May WWW '04: Proceedings of the 13th international conference on World Wide Web
2004 Web
Publisher: ACM


Full text available:  [pdf\(484.00 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 415, Citation Count: 11

Two important architectural choices underlie the success of the Web: numerous, independently operated servers speak a common protocol, and a single type of client the Web browser provides point-and-click access to the content and services on these decentralized ...

Keywords: bioinformatics, rdf, semantic web, user interface, web services

24 Automatic support for web user studies with SCONE and TEA

 Hartmut Obendorf, Harald Weinreich, Torsten Hass
April CHI '04: CHI '04 extended abstracts on Human factors in computing systems
2004
Publisher: ACM

Full text available:  [pdf\(286.38 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 43, Citation Count: 3

This paper describes the concepts of TEA, a flexible tool that supports user tests by automating repetitive tasks and collecting data of user inputs and actions. TEA was specifically designed for user studies in the World Wide Web and is able to interact ...

Keyw ords: WWW, test automation, usability testing methods

25 [Supporting activity-centric collaboration through peer-to-peer shared objects](#)



Werner Geyer, Jürgen Vogel, Li-Te Cheng, Michael Muller

November 2003 GROUP '03: Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work

Publisher: ACM

Full text available: [pdf\(366.92 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 92, Citation Count: 9

We describe a new collaborative technology that is mid-way between the informality of email and the formality of shared workspaces. Email and other ad hoc collaboration systems are typically lightweight and flexible, but build up an unmanageable clutter ...

Keyw ords: activity-centric collaboration, emerging collaboration, object-centric sharing, peer-to-peer, replication, synchronization

26 [Aiding knowledge capture by searching for extensions of knowledge models](#)



David B. Leake, Ana Maguitman, Thomas Reichherzer, Alberto J. Cañas, Marco Carvalho, Marco Arguedas, Sofia Brenes, Tom Eskridge

October 2003 K-CAP '03: Proceedings of the 2nd international conference on Knowledge capture

Publisher: ACM

Full text available: [pdf\(458.76 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 69, Citation Count: 4


Electronic concept mapping tools empower experts to play an active role in the knowledge capture process, and provide a medium for building richly connected multimedia *knowledge models*---sets of linked concept maps and resources about a particular ...

Keyw ords: case-based reasoning, concept mapping, context, knowledge acquisition tools, knowledge engineering and modeling methodologies, knowledge management environments, retrieval

27 User-controlled link adaptation

 Theophanis Tsandilas, m. c. schraefel
August 2003 HYPERTEXT '03: Proceedings of the fourteenth ACM conference on
Hypertext and hypermedia

Publisher: ACM


Full text available:  [pdf\(1.37 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 49, Citation Count: 3


This paper introduces an adaptable hypermedia approach applied to adaptive link annotation techniques. This approach suggests that the combination of direct manipulation with automated link annotation affords greater user control over page adaptation. ...

Keyw ords: adaptable hypertext, direct manipulation, history visualization, hyperlink annotation

28 Continuous program optimization: A case study

 Thomas Kistler, Michael Franz
July 2003 ACM Transactions on Programming Languages and Systems (TOPLAS),
Volume 25 Issue 4

Publisher: ACM


Full text available:  [pdf\(877.67 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 151, Citation Count: 15


Much of the software in everyday operation is not making optimal use of the hardware on which it actually runs. Among the reasons for this discrepancy are hardware/software mismatches, modularization overheads introduced by software engineering considerations, ...

Keyw ords: Dynamic code generation, continuous program optimization, dynamic reoptimization

29 Building resources for teaching computer architecture through electronic peer review

 Edward F. Gehringer
June 2003 WCAE '03: Proceedings of the 2003 workshop on Computer architecture
education: Held in conjunction with the 30th International Symposium on
Computer Architecture

Publisher: ACM

Full text available:  [pdf\(608.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 21, Citation Count: 1

Electronic peer review is a concept that allows students to get much more feedback on their work than they normally do in a classroom setting. Students submit assignments to the system, which presents them to other students for review. Reviewer and author ...

30 Accelerated focused crawling through online relevance feedback



Soumen Chakrabarti, Kunal Punera, Mallela Subramanyam

May WWW '02: Proceedings of the 11th international conference on World Wide Web 2002 Web

Publisher: ACM

Full text available:  [pdf\(589.82 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 113, Citation Count: 24

The organization of HTML into a tag tree structure, which is rendered by browsers as roughly rectangular regions with embedded text and HREF links, greatly helps surfers locate and click on links that best satisfy their information need. Can an automatic ...

Keyw ords: document object model, focused crawling, reinforcement learning


31 Applying model-based techniques to the development of UIs for mobile computers



Jacob Eisenstein, Jean Vanderdonckt, Angel Puerta

January IUI '01: Proceedings of the 6th international conference on Intelligent user interfaces 2001 interfaces

Publisher: ACM

Full text available:  [pdf\(463.24 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 180, Citation Count: 26

Mobile computing poses a series of unique challenges for user interface design and development: user interfaces must now accommodate the capabilities of various access devices and be suitable for different contexts of use, while preserving consistency ...

Keyw ords: adaptive user-interface, mobile computing, plastic user-interface, platform constraints, task model, user-interface modeling

32 Model-driven development of Web applications: the AutoWeb system



Piero Fraternali, Paolo Paolini

October 2000 ACM Transactions on Information Systems (TOIS), Volume 18 Issue 4

Publisher: ACM

Full text available: [pdf\(6.94 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 500, Citation Count: 21

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, ...

Keywords: HTML, WWW, application, development, intranet, modeling

33 Analysis of navigation behaviour in web sites integrating multiple information systems

Bettina Berendt, Myra Spiliopoulou

March 2000 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 9 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(281.14 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 178, Citation Count: 18

The analysis of web usage has mostly focused on sites composed of conventional static pages. However, huge amounts of information available in the web come from databases or other data collections and are presented to the users in the form of dynamically ...

Keywords: Conceptual hierarchies, Data mining, Query capabilities, Web databases, Web query interfaces, Web usage mining

34 The Desert environment



Steven P. Reiss

October 1999 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 8 Issue 4

Publisher: ACM

Full text available: [pdf\(868.64 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 38, Citation Count: 6

The Desert software engineering environment is a suite of tools developed to enhance programmer productivity through increased tool integration. It introduces an inexpensive form of data integration to provide additional tool capabilities and information ...

Keyw ords: integrated programming environments, program editors


35 Tools and approaches for developing data-intensive Web applications: a survey



Piero Fraternali

September 1999 ACM Computing Surveys (CSUR), Volume 31 Issue 3

Publisher: ACM

Full text available:  pdf(524.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 64, Downloads (12 Months): 631, Citation Count: 39

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development ...

Keyw ords: HTML, Intranet, WWW, application, development

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